

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Texas

Primary Renewable Energy Capacity Source	Wind	
Primary Renewable Energy Generation Source	Wind	
<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	104,966	100.0
Total Net Summer Renewable Capacity	8,380	8.0
Geothermal	-	-
Hydro Conventional	673	0.6
Solar	-	-
Wind	7,427	7.1
Wood/Wood Waste	180	0.2
MSW/Landfill Gas	73	0.1
Other Biomass	29	*
<u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	404,788	100.0
Total Renewable Net Generation	18,679	4.6
Geothermal	-	-
Hydro Conventional	1,039	0.3
Solar	-	-
Wind	16,225	4.0
Wood/Wood Waste	976	0.2
MSW Biogenic/Landfill Gas	401	0.1
Other Biomass	38	*

* = Absolute percentage less than 0.05.

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Capacity: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Texas

Energy Source	2004	2005	2006	2007	2008
Fossil	94,007	93,373	92,088	91,494	91,450
Coal	20,201	20,188	19,843	19,817	20,189
Petroleum	231	222	220	216	218
Natural Gas	73,216	72,726	71,737	71,152	70,856
Other Gases	359	237	287	308	187
Nuclear	4,860	4,860	4,860	4,860	4,927
Renewables	2,101	2,614	3,607	5,385	8,380
Pumped Storage	-	-	-	-	-
Other	136	199	200	199	209
Total	101,104	101,046	100,754	101,938	104,966

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Texas

Energy Source	2004	2005	2006	2007	2008
Geothermal	-	-	-	-	-
Hydro Conventional	668	673	681	673	673
Solar	-	-	-	-	-
Wind	1,286	1,755	2,738	4,490	7,427
Wood/Wood Waste	100	130	130	130	180
MSW/Landfill Gas	40	41	42	72	73
Other Biomass	8	16	16	21	29
Total	2,101	2,614	3,607	5,385	8,380

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)

Texas

Energy Source	2004	2005	2006	2007	2008
Fossil	343,572	350,878	349,849	351,720	344,813
Coal	148,885	148,358	146,391	147,279	147,132
Petroleum	1,729	1,583	1,789	1,309	1,034
Natural Gas	188,755	197,665	197,870	199,531	193,247
Other Gases	4,204	3,272	3,798	3,601	3,401
Nuclear	40,435	38,232	41,264	40,955	40,727
Renewables	5,547	6,668	8,480	11,932	18,679
Pumped Storage	-	-	-	-	-
Other	745	890	989	885	569
Total	390,299	396,669	400,583	405,492	404,788

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)

Texas

Energy Source	2004	2005	2006	2007	2008
Geothermal	-	-	-	-	-
Hydro Conventional	1,301	1,333	662	1,644	1,039
Solar	-	-	-	-	-
Wind	3,138	4,237	6,671	9,006	16,225
Wood/Wood Waste	857	852	892	914	976
MSW Biogenic/Landfill Gas	221	207	219	322	401
Other Biomass	31	40	37	45	38
Total	5,547	6,668	8,480	11,932	18,679

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.